



**Special  
Resource  
Management** INC.

917 Island Ave. • Boise, ID 83706  
(208) 345-3667 • (800) 735-8966 • (208) 345-3725 FAX  
*A Montana Power/Entech Company • AA/EOE M/F*

**MEMORANDUM**

**DATE:** April 12, 1993

**TO:** John Anderson - Nampa Meridian Irrigation District  
Dave Durrett - Walla Walla Shopping Center Associates  
Gary Himes - White Leasure Company  
Ron Lane - DEQ Southwest Idaho Regional Office  
Craig Shepard - DEQ Southwest Regional Office  
Robert Wilkosz - DEQ Permits and Enforcement

**FROM:** Dana Brennan, Special Resource Management, Inc. *Dana Brennan*

**SUBJECT:** Analysis results update for the February 1993 quarterly groundwater sampling at Westpark

Enclosed please find the analysis results for the quarterly groundwater sampling event conducted on February 25, 1993 at Westpark. I have included PCE summary tables for the pumping wells, air stripper influent and effluent, and area monitoring wells, and a graph depicting levels of PCE in the pumping wells since the remediation program start-up. PCE emissions presented in both tabular and graph form are also included. A full quarterly status report will soon follow.

If you have any questions, please call me or Brad Harr at 208-345-3667.

**cc:** Ken Pursley  
Bill McKlveen

**RECEIVED**

**APR 13 1993**

**DIVISION OF  
ENVIRONMENTAL QUALITY  
SWIRO**

**USEPA SF**



**1415733**

# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303589

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 6:15

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-WP1

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	106	80-120 %
1 CHLORO-2-BROMPROPANE	116	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

\* THERE WAS ONLY ONE VIAL AVAILABLE FOR TESTING:  
TWO WERE DELIVERED, BUT ONE HAD A BUBBLE.

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	73.0 *	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG

  
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# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303588

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/26/93  
Time of Collection: 9:40 AM

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-WP2A

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	103	80-120 %
1 CHLORO-2-BROMPROPANE	100	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	99.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303590

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 4:00

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-WP3

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	103	80-120 %
1 CHLORO-2-BROMPROPANE	110	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5  
ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD  
601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	570.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	3.7	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303591

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 5:00

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-123I

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	100	80-120 %
1 CHLORO-2-BROMPROPANE	85.3	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	310.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303592

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 5:10

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-123K

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	106	80-120 %
1 CHLORO-2-BROMPROPANE	98.4	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	0.9	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303593

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 5:20

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW9

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	102	80-120 %
1 CHLORO-2-BROMPROPANE	104	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5  
ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD  
601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	1170.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	8.4	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303595

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 3:00

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW11

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	117	80-120 %
1 CHLORO-2-BROMPROPANE	105	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	1.7	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG





# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303596

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 2:25

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW18

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	110	80-120 %
1 CHLORO-2-BROMPROPANE	92.0	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5  
ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD  
601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	4.9	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303597

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 9:20

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW19

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	83.7	80-120 %
1 CHLORO-2-BROMPROPANE	99.0	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	<0.5	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303598

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 12:15

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW21

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	99.3	80-120 %
1 CHLORO-2-BROMPROPANE	106	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	740.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	4.4	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303599

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 12:25

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-MW31

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	99.8	80-120 %
1 CHLORO-2-BROMPROPANE	98.8	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5  
ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD  
601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	720.0	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	4.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303600

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection: 12:45

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: D BRENNAN

Source of Sample: 1490-EP

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	91.4	80-120 %
1 CHLORO-2-BROMPROPANE	104	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	<0.5	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



# HIBBS ANALYTICAL LABORATORIES, INC.

1804 N. 33rd ST. BOISE, IDAHO 83703  
PHONE 342-5515 AREA CODE 208

## LABORATORY ANALYSIS REPORT

SAMPLE NUMBER - 9303601

SPECIAL RESOURCE MANAGEMENT  
917 ISLAND  
BOISE, ID 83706-

Date of Collection: 02/25/93  
Time of Collection:

Date Received: 02/26/93  
Date Reported: 03/16/93

Submitted by: ALI

Source of Sample: TRAVEL BLANK

Lab Comment: TETRACHLOROETHENE QUALITY CONTROL

INTERNAL STANDARDS	PERCENT RECOVERY	CONTROL LIMITS
FLUOROBENZENE	84.4	80-120 %
1 CHLORO-2-BROMPROPANE	102	80-120 %
BATCH SPIKE RECOVERY	88.7 - 111	80-120 %
EPA QC RECOVERY	114, 110	80-120 %
BATCH DUPLICATE RECOVERY	92.4 - 108	80-120 %

THE TRAVEL BLANK FOR THIS BATCH WAS NEGATIVE (<0.5 ug/L) FOR THE COMPOUNDS REPORTED.

ANALYSIS PERFORMED ACCORDING TO EPA TEST METHOD 601, 602.

ANALYST: B. GERHARD

Test Requested	Result	Unit	Method	Date Completed	Analyst
TETRACHLOROETHENE	<0.5	ug/l	EPA 601	03/05/93	BDG
TRICHLOROETHENE	<0.5	ug/L	EPA 601	03/05/93	BDG



## CHAIN OF CUSTODY RECORD

DATE 2/26/93 PAGE 1 OF 2Special  
Resource  
Management, Inc.  
Specialists in Waste and Resource Management Technology917 Island  
Boise, ID 83706  
208-345-3667 (24 Hr)  
800-654-2504 (In Idaho)

LABORATORY					TESTING PARAMETERS										NO. OF CONTAINERS	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
ADDRESS																
Analytical Laboratories																
1804 N. 33rd St.																
Boise, ID 83703																
ATTENTION: Dave Bennett																
PROJECT NAME																
Walla Walla																
JOB/P.O. NO.																
21.01490.001																
SAMPLE MANAGER (SIGNATURE)																
D. Brennan																
SAMPLE NO.	DATE	TIME	SAMPLER	LOCATION												
1490-WP2A	2/24/93	9:40	D. Brennan	Westpark	X	X										3
1490-WP1	2/25/93	6:15	D. Brennan	"	X	X										2
1490-WP3	2/25/93	4:00	D. Brennan	"	X	X										3
1490-123E	2/25/93	5:00	D. Brennan	"	X	X										2
1490-123E	2/25/93	5:10	D. Brennan	"	X	X										3
1490-MW9	2/25/93	5:20	D. Brennan	"	X	X										3
1490-MW10	2/25/93	10:30	D. Brennan	"	X	X										3
1490-MW11	2/25/93	3:00	D. Brennan	"	X	X										3
1490-MW18	2/25/93	2:25	D. Brennan	"	X	X										3
1490-MW19	2/24/93	9:20	D. Brennan	"	X	X										3
1490-MW21	2/25/93	12:15	D. Brennan	"	X	X										3
1490-MW31	2/26/93	12:25	D. Brennan	"	X	X										3
1490-EB	2/25/93	12:45	D. Brennan	"	X	X										3
RELINQUISHED BY			RECEIVED BY		DATE		TOTAL NUMBER OF CONTAINERS:						SHIPMENT METHOD:			
Dana Brennan			Mancy Miller		2/26/93		37						SPECIAL SHIPMENT, HANDLING OR STORAGE REQUIREMENTS:			
COMPANY			COMPANY		TIME		REMARKS:						• stored on ice • please return cooler			
SRM			ALF		12:50		Please fax results from 1490-123E to Brad Kerr ASAP (fax: 345-3725)									
RELINQUISHED BY			RECEIVED BY		DATE											
COMPANY			COMPANY		TIME											
RELINQUISHED BY			RECEIVED BY		DATE											
COMPANY			COMPANY		TIME											

WHITE: ACCOMPANY SAMPLE

YELLOW: SRM AFTER LAB SIGNS

PINK: ORIGINAL SAMPLER

## CHAIN OF CUSTODY RECORD

DATE 2/26/93 PAGE 2 OF 2



**Special  
Resource  
Management, Inc.**  
Specialists in Manpower and Resource Management Technology

917 Island  
Boise, ID 83706  
208-345-3667 (24 Hr.)  
800-654-2504 (In Idaho)

[illegible]

**WHITE: ACCOMPANY SAMPLE**

**YELLOW: SRM AFTER LAB SIGNS**

**PINK: ORIGINAL SAMPLER**



**WESTPARK AIR STRIPPER**  
**TEST RESULTS FOR QUARTERLY SAMPLE EVENTS**  
PCE & TCE Concentrations- ppb  
(TABLE F-2)

STRIPPER INFLUENT														STRIPPER EFFLUENT		
DATE	ADJUST	WP1			WP2			WP3			Combined			gpm	PCE	TCE
		gpm	PCE	TCE	gpm	PCE	TCE	gpm	PCE	TCE	gpm	PCE	TCE			
04/13/90	No	62	212	-	95	44	-	0	-	-	157	308	-	168	7.2	<1.0
07/20/90	No	0	-	-	132	320	-	*32	*820	-	164	*590	-	180	*8.2	-
10/18/90	No	0	-	-	133	490	-	0	1290	-	133	-	-	-	-	-
10/24/90	Yes	0	660	-	0	-	-	0	-	-	133	-	-	109	3.6	-
#2/06/9	Yes	81	428	1.6	111	345	1.4	78	963	4.2	270	765	3.2	270	14.8	<0.5
03/05/91	Yes	85	-	-	96	-	-	85	-	-	266	-	-	266	4.3	-
05/16/91	No	90	290	1.9	93	-	-	86	1090	6.4	269	430	2.5	269	3.4	-
08/08/91	No	89	660	3.2	96	450	3	80	730	1.1	265	640	3.3	265	4.7	<0.5
11/14/91	Yes	93	654	4.1	89	620	5.1	78	409	2.9	260	474	2.6	260	3.3	<0.5
02/26/92	No	90	340	1.6	52	350	2.2	83	520	3.8	225	410	2.7	225	2.5	<0.5
05/21/92	No	85	580	2.3	90	600	2.4	75	860	3.8	250	420	1.7	250	3.7	<0.5
08/25/92	No	82	300	2.2	90	410	3.1	78	490	4	250	390	2.9	250	3.4	<0.5
11/19/92	Yes	0	105	0.5	0	45	<0.5	150	590	3.5	150	400	2	150	<0.5	<0.5
2/25/93	Yes	81	73	<0.5	55	99	<0.5	94	570	3.7	230	310	<0.5	230	0.9	<0.5

\* = Attempts to phase in well WP3

- = Not collected or not analyzed

# = All flow rates from this date on have been adjusted according to the effluent meter.

**TABLE C-1**  
**PCE LEVELS FROM WESTPARK AREA MONITORING WELLS**  
**PCE levels - ppb**

DATE/ID	WP1	WP2	WP3	9	11	16	18	19	20	^ 20R	21	EB
Oct. 89	1100	500 d800	2400	1000	15.6	183	190	1.5	9.5	-	+3.2	
April 90	379	**	1260	1090	3.6 d4.0	#176	74.9	1.1	22.5	-	44.9	<1.0
July 90	290	s320	+400 s820	763	5.9	109	145 d205	<1.0	N/S	-	30.8	<1.0
Oct. 90	660	780	1220	*850 *d980	5.1	50	170	<0.5	N/S	^ 50	17.2	<0.5
Feb. 91	726 s428	817 s345	1110 s963	1040	2.6	13.2	81.5 d78.6	<0.5	N/S	9.9	50.7	<0.5
May 91	290	**	1090	910	4.8	39	50	<0.5	N/S	1.8	134	<0.5
Aug. 91	660	450	730	960	7.5	116	71	<0.5	N/S	0.6	48 @d34	<0.5
Nov. 91	654	620	409	714	5.6	79.2	30.2 d30.2	<0.5	N/S	1.8	39.7	<0.5
Feb. 92	340	350	520	360 d340	***	113	31.5	***	N/S	***	85	<0.5
May 92	580	600	860	190	***	100	17	***	N/S	***	310 d380	<0.5
Aug. 92	300	410	490	130	11.2	100	15.4 d12.0	<0.5	N/S	9.4	70	<0.5
Nov. 92	++105	++45	590	870	11	+++	5.3	***	N/S	***	500	<0.5
Feb. 93	73	99	570	1170	1.7	+++	4.9	<0.5	N/S	***	740 d720	<0.5

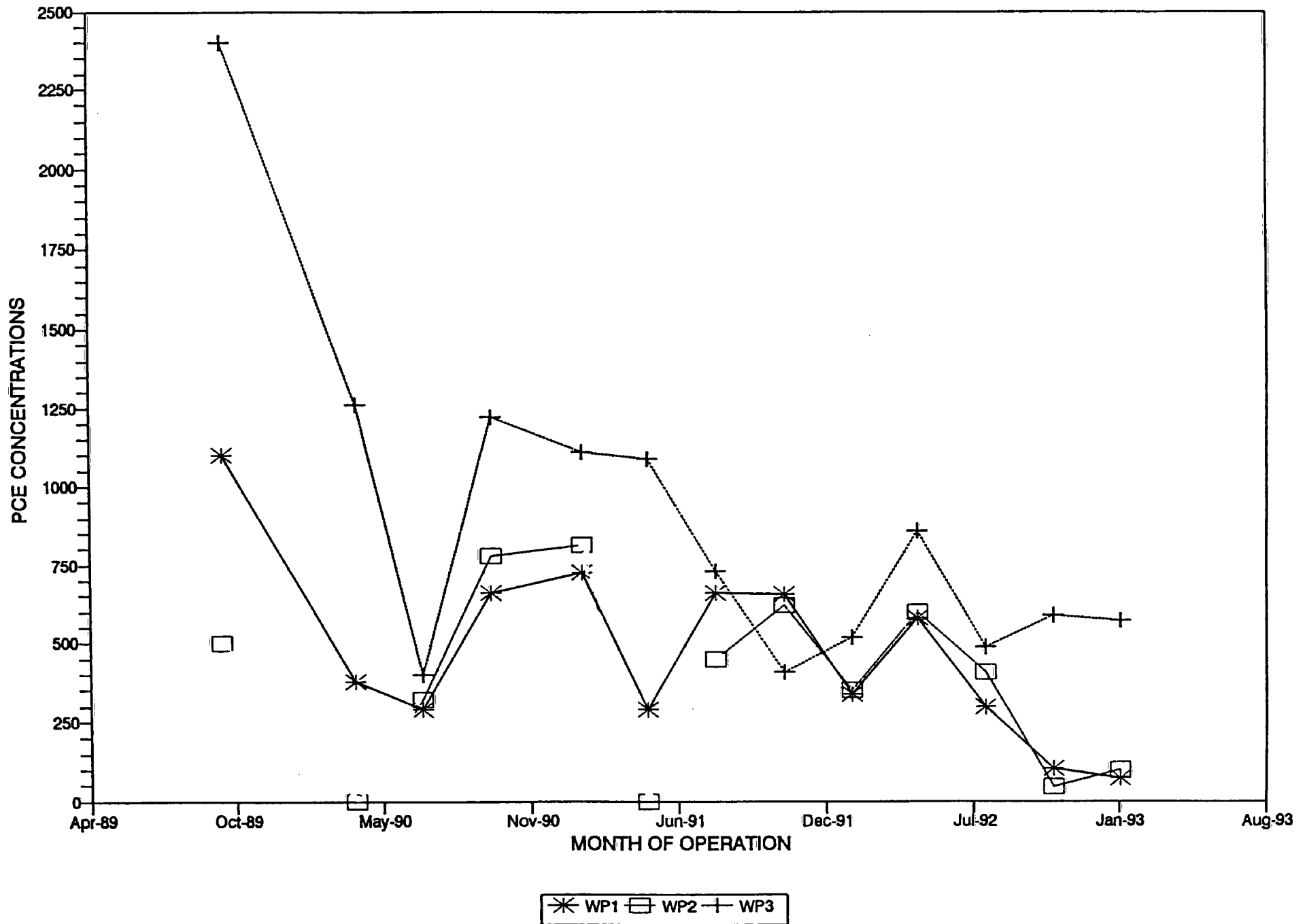
SYMBOL DEFINITIONS ARE LOCATED ON FOLLOWING PAGE

## SYMBOL DEFINITIONS FOR MONITORING WELLS PCE LEVELS TABLE

Notes:    \* = QA/QC Flagged data - See Annual Data Validation Report - Held 4 days over the holding time criteria of 14 days  
          \*\* = Not required in Consent Order  
          \*\*\* = Conditionally dropped from quarterly sampling program; will be sampled annually  
          + = Results are inconsistent with the trends of this well. Lab or sampling error is likely  
          ++ = Results are inconsistent with the trends of this well. Inconsistencies are most likely because pumping wells WP1 and WP2 were not operating during sample event. Samples were collected w/o purging the wells.  
          +++ = Well 16 was dry. No sample was collected.  
          ^ = Well #20 has been decommissioned; Replacement well is #20R located approximately 30 yards north of well #20  
          # = The Apr-90 values for wells 21 and 16 were reversed from those previously reported due to an apparent field error  
          @ = Well #21 duplicate was outside the target RPD range of +/- 20%. Data not recommended for rejection.  
          d = Duplicate sample  
          s = Sampled at stripper  
          N/S = Not sampled

WELLPCE.WQ1

FIGURE C-1  
PCE Concentrations - WP 1,2,3 (ppb)



**TABLE E-1**  
**PCE AIR EMISSIONS (PPM AND PPH)**

DATE	DAY OF OPERATION	FLOW RATE EFFLUENT gpm	PCE INFLUENT ppm	PCE EFFLUENT ppm	EMISSION SOURCE STRENGTH g/sec	PCE EMISSIONS ppm	PCE EMISSIONS pph
# March 1991 re-sample result - The influent value is an average of PCE concentration for the Fourth Quarter.							
02/06/91	332	270	0.7650	0.0148	0.0128	0.4896	0.1014
#03/05/91	359	266	0.9700	0.0043	0.0162	0.6209	0.1285
05/15/91	431	269	0.4300	0.0034	0.0072	0.2774	0.0574
08/07/91	514	265	0.6400	0.0047	0.0106	0.4069	0.0842
11/14/91	613	260	0.4740	0.0033	0.0077	0.2958	0.0612
02/26/92	717	225	0.4100	0.0027	0.0058	0.2215	0.0459
05/21/92	802	250	0.4200	0.0017	0.0066	0.2528	0.0523
08/25/92	898	250	0.3900	0.0029	0.0061	0.2339	0.0484
11/19/92	984	180	0.4000	0.0005	0.0045	0.1738	0.0360
03/25/93	1080	230	0.3100	0.0009	0.0045	0.1718	0.0356

FIGURE E-1  
PCE AIR EMISSIONS

